

Livestock, Dairy, and Poultry

Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	210	2004	57	1931	1930
Chickens, all ¹	1,000 birds	15,512	1944	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925,1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs ²	Million eggs	2,009	2004	1,104	1929	1924
Hogs and pigs ¹	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	4,355	2004	1921
Milk	Million pounds	6,375	2003	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	430	1998	1934

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

The January 1, 2005, Michigan cattle herd totaled 1,010,000 head, down 20,000 head from a year ago. The milk cow inventory, at 307,000 head, was up 7,000 from the previous year. Milk cow replacement heifers were down 5,000 at 125,000. Beef cows, at 93,000 head, were up 9 percent from last year. Calves on hand were at 185,000, down 15,000 from last year. Beef cow replacement heifers, at 35,000 head, were up 5,000 head. The 2004 calf crop was 335,000 head, down 15,000 from last year. Steer numbers were down 15,000 at 200,000 head. Other heifers decreased to 47,000 from 51,000, while bulls at 18,000 head were down by 1,000.

Cattle on full feed for slaughter totaled 190,000 head, down 20,000 from last year. Michigan has 14,500 operations with cattle, unchanged from a year ago.

The January 1 Michigan cattle and calf inventory was valued at \$1.07 billion, up 11 percent from January 1, 2004, which was 968.2 million. Cash receipts from cattle and calf marketings totaled \$262.8 million, while total liveweight marketed was 375.8 million pounds. The top 5 counties in cattle and calves in 2004 are Huron, Sanilac, Clinton, Allegan, and Ottawa.

Cattle and calves: Number of operations by size group, 2000-2004 ¹

Size group by head	2000	2001	2002	2003	2004
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1-49 head	11,200	10,800	10,400	10,000	10,200
50-99 head	2,200	2,100	2,040	2,050	1,700
100-499 head	2,350	2,350	2,300	2,200	2,300
500-999 head	190	180	180	170	210
1000 + head	60	70	80	80	90
Total	16,000	15,500	15,000	14,500	14,500

¹ An operation is any place having one or more head of cattle on hand at any time during the year.

Cattle and calves: Number on farms by class, January 1, 2001-2005

Class	2001	2002	2003	2004	2005
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
All cows that have calved	385	370	390	385	400
Beef cows	85	71	89	85	93
Milk cows	300	299	301	300	307
Heifers, 500 pounds and over	210	210	212	211	207
Beef cow replacement	35	30	35	30	35
Milk cow replacement	130	135	135	130	125
Other	45	45	42	51	47
Steers, 500 pounds and over	190	195	195	215	200
Bulls, 500 pounds and over	17	17	18	19	18
Calves, under 500 pounds	178	198	175	200	185
All cattle and calves	980	990	990	1,030	1,010

Cattle and calves: Production and income, 2000-2004

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ⁴	Value of home consumption	Gross income
			All beef ³	Calves				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2000	407,661	446,600	56.00	102.00	220,474	255,892	9,183	265,075
2001	353,634	376,750	58.80	109.00	204,736	227,930	7,467	235,397
2002	363,562	363,540	54.20	104.00	191,624	204,628	6,894	211,522
2003	333,635	324,896	63.00	92.50	213,932	207,722	7,795	215,517
2004	358,519	375,760	68.70	109.00	247,345	262,757	8,600	271,357

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the State.

³ Combined price for "Cows" and "Steers and Heifers".

⁴ Receipts from marketings and sale of farm slaughter.

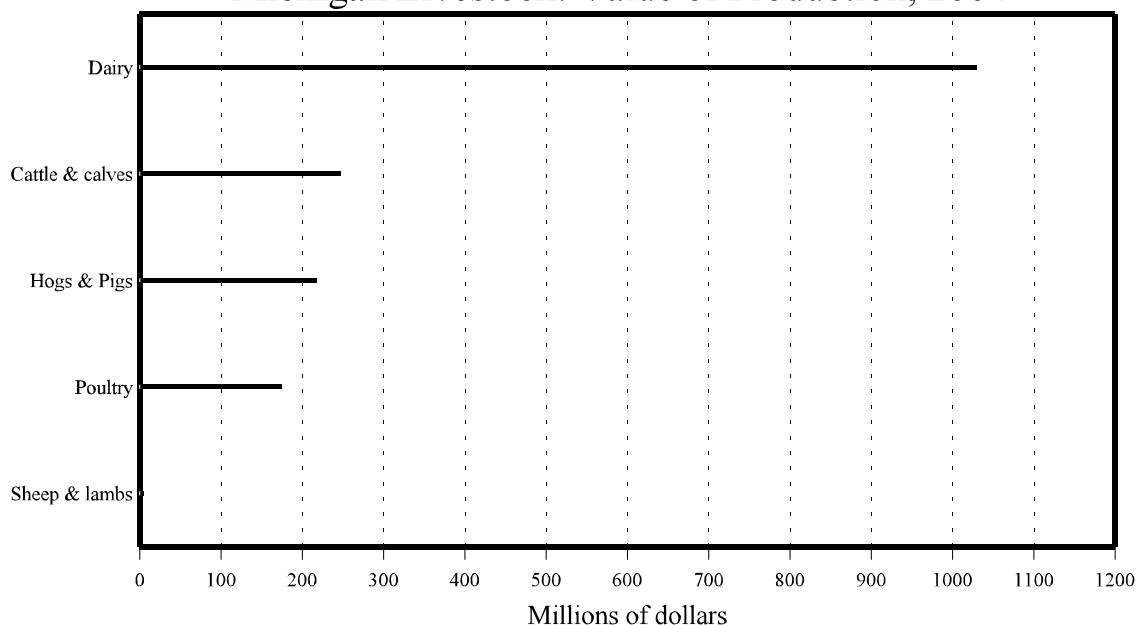
Cattle and calves: Balance sheet, 2000-2004

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter cattle and calves ²	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2000	1,010	345	55	318	38	5	22	47	980
2001	980	335	50	266	36	4	24	45	990
2002	990	340	41	264	40	4	25	48	990
2003	990	350	39	248	25	4	24	48	1,030
2004	1,030	335	31	282	28	4	24	48	1,010

¹ Includes custom slaughter and state outshipments, but excludes inter-farm sales within the State.

² Excludes custom slaughter for farmers at commercial establishments.

Michigan Livestock: Value of Production, 2004



Dairy

Milk production in Michigan during 2004 was 6,315 million pounds, down 1 percent from 2003. Michigan ranked eighth nationally in milk production in 2004, accounting for 3.7 percent of U.S. production.

The annual average number of milk cows on Michigan farms during 2004 was 303,000 head, up 1,000 from the previous year. The number of operations with milk cows fell to 2,900 from 3,000 in 2003. Milk production per cow was 20,842 pounds in 2004,

compared with 21,109 pounds during 2003. The average butterfat content was 3.63 percent, up from 3.62 in 2003.

Milk prices during the year averaged \$16.30 per cwt., up \$3.70 from the previous year. Cash receipts from milk sales totaled \$1.02 billion, up 28 percent from 2003. Milk continued as the top ranked Michigan commodity in cash receipts.

Milk: Production, utilization, marketings, and value, 2000-2004

Item	Unit	2000	2001	2002	2003	2004
		Production				
Production						
Total milk produced on farms	Million pounds	5,705	5,870	6,120	6,375	6,315
Milkfat produced	Million pounds	208.8	213.1	221.5	230.8	229.2
Milkfat	Percent	3.66	3.63	3.62	3.62	3.63
Utilization						
Milk used where produced						
Fed to calves	Million pounds	45	55	55	55	50
Used for milk, cream, and butter	Million pounds	5	5	5	5	5
Milk marketed by producers	Million pounds	5,655	5,810	6,060	6,315	6,260
Average return per 100 pounds of milk	Dollars	12.90	15.20	12.10	12.60	16.30
Average return per pound milkfat	Dollars	3.52	4.19	3.34	3.48	4.49
Fluid grade	Percent	99	99	99	99	99
Total cash receipts	1,000 dollars	729,495	883,120	733,260	795,690	1,020,380
Value						
Value of milk used where produced ¹	1,000 dollars	6,450	9,120	7,260	7,560	8,965
Total value of milk produced	1,000 dollars	735,945	892,240	740,520	803,250	1,029,345

¹ Includes value of milk fed to calves and milk used by farm households.

Milk cows: Number of operations, by size group, 2000-2004 ¹

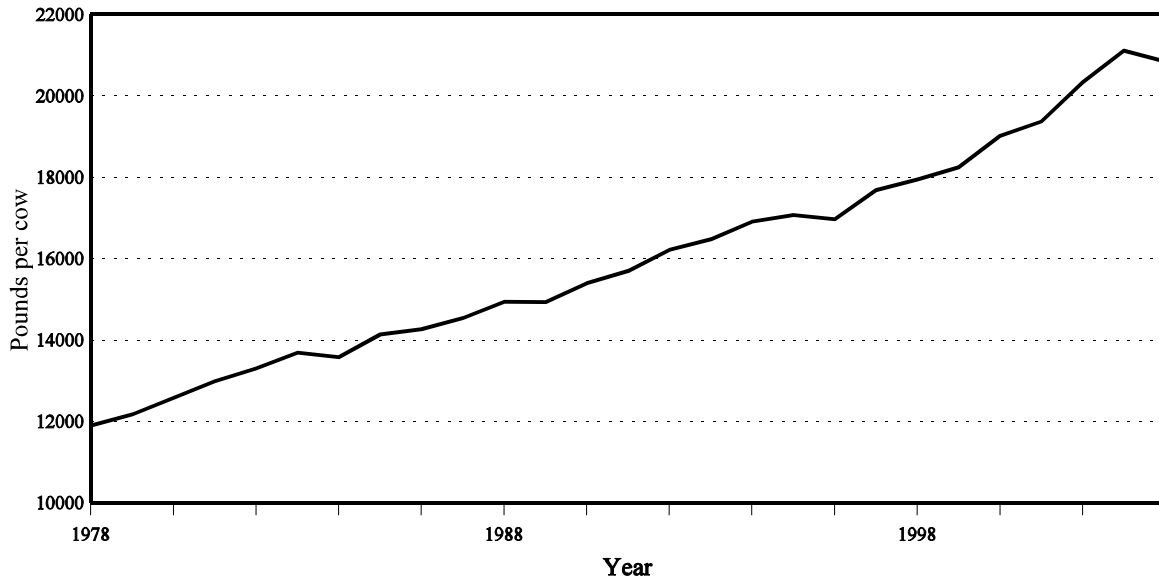
Size group by head	2000	2001	2002	2003	2004
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1-29	1,000	1,050	1,050	1,000	950
30-49	630	550	500	450	440
50-99	900	800	750	700	660
100-199	700	620	590	550	540
200-499	215	215	240	220	225
500+	55	65	70	80	85
Total	3,500	3,300	3,200	3,000	2,900

¹ An operation is any place having one or more milk cows on hand at any time during the year.

Milk cows: Number by month, 2000-2004

Month	2000	2001	2002	2003	2004
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
January	298	303	300	302	300
February	296	303	301	302	299
March	296	304	301	302	301
April	299	304	301	301	301
May	301	304	301	301	301
June	304	305	300	302	302
July	302	303	301	304	303
August	302	303	302	304	303
September	300	303	302	304	303
October	302	302	302	304	304
November	299	301	302	302	306
December	300	299	301	301	307
Annual	300	303	301	302	303

Annual Milk per Cow, 1978-2004



Milk production: Total by month, 2000-2004

Month	2000	2001	2002	2003	2004
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	474	482	504	535	534
February	447	447	474	482	496
March	485	505	533	545	545
April	481	492	518	521	525
May	494	518	537	539	540
June	485	505	503	529	530
July	489	498	519	558	542
August	485	489	515	549	532
September	455	476	488	534	506
October	477	483	507	546	526
November	457	474	498	506	508
December	476	501	524	531	531
Annual	5,705	5,870	6,120	6,375	6,315

Milk: Production per cow, by month, 2000-2004

Month	2000	2001	2002	2003	2004
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,590	1,590	1,680	1,770	1,780
February	1,510	1,475	1,575	1,595	1,660
March	1,640	1,660	1,770	1,805	1,810
April	1,610	1,620	1,720	1,730	1,745
May	1,640	1,705	1,785	1,790	1,795
June	1,595	1,655	1,675	1,750	1,755
July	1,620	1,645	1,725	1,835	1,790
August	1,605	1,615	1,705	1,805	1,755
September	1,515	1,570	1,615	1,755	1,670
October	1,580	1,600	1,680	1,795	1,730
November	1,530	1,575	1,650	1,675	1,660
December	1,585	1,675	1,740	1,765	1,730
Annual	19,017	19,373	20,332	21,109	20,842

Dairy products: Annual production totals, 2000-2004

Product	2000	2001	2002	2003	2004
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Michigan					
Ice cream, fullfat, total	22,781	22,415	28,885	17,322	18,897
Ice cream, lowfat, total	16,079	(¹)	7,639	(¹)	24,986
Sherbet, total	1,696	(¹)	1,140	(¹)	921
Ice cream mix, fullfat	11,678	11,599	15,555	9,312	9,994
Ice cream mix, lowfat	8,220	8,263	5,728	(¹)	15,712
Sherbet mix	1,010	(¹)	727	(¹)	581
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
East North Central Region ²					
Cheese, total	2,606.4	2,545.3	2,657.7	2,697.1	2,776.3
Cheese, American type ³	952.2	876.3	907.7	875.0	903.7
Cheese, Italian	1,101.1	1,123.7	1,149.2	1,205.5	1,216.5
Cottage cheese, curd	112.9	111.9	103.7	107.4	92.2
Cottage cheese, creamed	102.3	102.1	95.2	101.2	92.8
Cottage cheese, low fat	77.6	81.2	81.7	81.8	60.9
Condensed skim milk, unsweetened, bulk	161.1	122.6	169.5	144.2	150.4
Dried milk, nonfat for human food	57.2	48.5	52.9	48.3	35.6
Butter	327.2	368.2	388.2	345.7	340.9
Yogurt, plain and flavored	720.7	818.9	816.8	759.8	913.0

¹ Not published separately because of insufficient data or to avoid disclosure of individual operations.

² Illinois, Indiana, Michigan, Ohio, and Wisconsin.

³ Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

Dairy products: Ice cream, fullfat, total, by month, 2000-2004

Month	2000	2001	2002	2003	2004
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
January	1,744	1,472	2,018	1,662	1,406
February	1,724	1,543	2,083	1,676	1,512
March	1,967	1,752	2,109	1,381	1,567
April	1,907	2,352	2,294	1,424	1,531
May	1,771	2,072	2,336	1,538	1,723
June	1,945	2,071	2,436	1,561	1,604
July	1,999	2,397	2,509	1,496	1,660
August	2,083	2,270	2,340	1,713	1,967
September	1,793	1,977	2,208	1,685	1,705
October	1,791	1,840	2,006	546	1,487
November	1,637	1,318	1,477	1,370	1,398
December	1,246	1,430	3,402	1,360	1,337
Total ¹	22,781	22,415	28,885	17,322	18,897

¹ 2000 - 2003 revised; monthly data are not revised and do not add to the total.

Hogs and Pigs

Michigan hog production totaled 480.7 million pounds in 2004, up 0.4 percent from 2003. Based on the December 1, 2004 inventory of 950,000 hogs and pigs, Michigan ranked fourteenth in the nation in terms of inventory.

Breeding inventory accounted for 11.6 percent of the total inventory, while market hogs made up the remaining 88.4 percent. Historically, Cass, Allegan, Ottawa, Branch and Huron have been

the top five hog producing counties.

The annual average price for all hogs was \$45.90 per cwt for 2004, compared with the 2003 average price of \$35.00 per cwt.

Marketings of all hogs and pigs totaled 499.9 million pounds in 2004, up 3.2 percent from 2003. Cash receipts increased 35.3 percent from the previous year to \$235.0 million.

Hogs and pigs: Number of operations, by size group, 2000-2004 ¹

Year	Operations						
	1-99	100-499	500-999	1,000-1,999	2,000-4,999	5,000+	Total
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
2000	1,700	390	110	140	120	40	2,500
2001	1,700	430	90	110	130	40	2,500
2002	1,500	450	90	100	120	40	2,300
2003	1,500	380	80	100	100	40	2,200
2004	1,500	270	90	90	110	40	2,100

¹ An operation is any place having one or more head on hand at any time during the year.

Hogs and pigs: Sows farrowing and pig crop, 2000-2005

Year	December-February ¹			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
2001	46	8.75	403	50	8.90	445
2002	50	9.00	450	49	8.85	434
2003	45	8.80	378	46	9.00	414
2004	45	8.90	401	44	9.10	400
2005	44	9.00	396	46		
	June-August			September-November		
2000	50	8.90	445	48	9.05	434
2001	52	9.10	473	46	9.15	421
2002	54	9.05	489	42	9.10	382
2003	47	9.00	423	51	8.80	449
2004	48	9.20	442	44	9.20	405

¹ December of previous year.

Hogs and pigs: Inventory, 2001-2005

Month and year	Market hogs and pigs					Breeding stock	Total hogs and pigs
	Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs and over	Total market		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
March 1							
2001	310	185	160	125	780	120	900
2002	310	215	165	150	840	120	960
2003	270	190	165	145	770	100	870
2004	300	205	175	150	830	100	930
2005	325	190	160	145	820	100	920
June 1							
2001	315	215	155	125	810	110	920
2002	310	205	155	140	810	110	920
2003	310	210	165	145	830	100	930
2004	300	200	170	145	815	95	910
2005	300	200	155	145	800	100	900
September 1							
2001	330	225	175	130	860	110	970
2002	315	210	160	135	820	120	940
2003	300	210	165	145	820	100	920
2004	320	200	170	150	840	100	940
December 1							
2001	315	205	170	160	850	110	960
2002	285	180	155	150	770	100	870
2003	300	205	175	160	840	110	950
2004	320	195	160	155	830	110	950

Hogs and pigs: Production and income, 2000-2004

Year	Production ¹	Marketings ²	Average price per cwt	Value of production	Cash receipts ³	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2000	464,577	483,775	40.70	184,575	200,485	1,662	202,147
2001	491,070	499,800	41.70	200,748	212,599	1,695	214,294
2002	499,504	517,700	30.70	153,600	164,324	1,171	165,495
2003	478,977	484,225	35.00	165,113	173,671	443	174,114
2004	480,741	499,900	45.90	217,539	234,992	465	235,457

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketing and sales of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

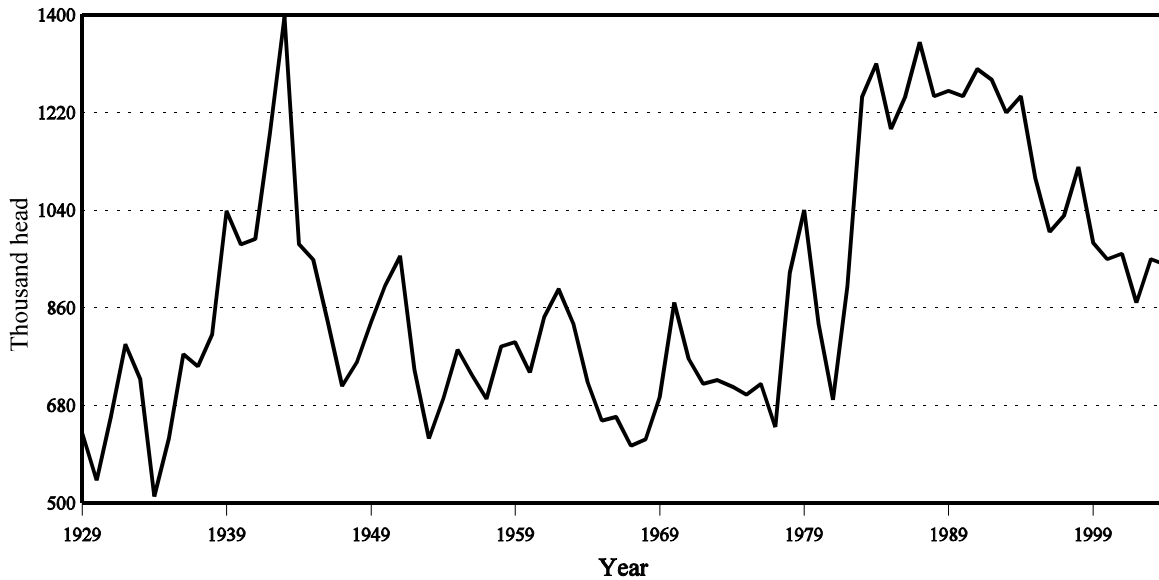
Hogs and pigs: Balance sheet, 2000-2004

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings ¹	Farm slaughter ²	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2000	980	1,716	275	1,937	4	80	950
2001	950	1,742	280	1,930	4	78	960
2002	960	1,755	240	2,011	4	70	870
2003	870	1,664	355	1,874	5	60	950
2004	950	1,648	345	1,931	4	68	950

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

December 1 Hog Inventory, 1929-2004



Honey

Michigan honey production for 2004 totaled 4.4 million pounds, down 9 percent from 2003. This estimate included honey from producers with 5 or more colonies. Michigan ranked eleventh in honey production in 2004, down from tenth in 2003. There were 65,000 colonies producing honey, with an average yield per colony of 67 pounds, down 10 percent from 2003.

Michigan honey prices averaged \$1.17 per pound, down 17 percent from last year. Value of production totaled \$5.10 million, down 25 percent from 2003. Honey stocks were 2.44 million pounds, up 41 percent from 2003.

Honey: Production and value, 2000-2004 ¹

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
2000	72	75	5,400	60	3,240	2,970
2001	76	60	4,560	81	3,694	2,827
2002	72	77	5,544	140	7,762	1,885
2003	65	74	4,810	141	6,782	1,732
2004	65	67	4,355	117	5,095	2,439

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 2001-2005

Year	2001	2002	2003	2004	2005
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Farms	11	9	8	7	(¹)
Pelts produced	54,000	57,000	51,000	50,500	(¹)
Females bred to produce kits	11,800	12,700	11,600	11,700	11,500

¹ Published in July 2006.

Poultry

The total value of poultry production in Michigan from eggs, turkeys, and other chickens (primarily culled layers) during 2004 was \$163.8 million, up 1 percent from a year earlier. The value of egg production totaled \$94.3 million, up 1 percent from 2003. Egg production totaled 2.0 billion eggs, up 6 percent from last year. The all egg price averaged 56 cents per dozen, down 4 cents from 2003.

The value of turkey production during 2004 was \$69.5 million, up 1 percent. The total pounds of turkey produced was 188 million, down 2 percent. The average price per pound was 37 cents, up 1 cent from last year. Chickens sold was at 4.55 million birds in 2004 up 31 percent from last year.

Chickens: Layers on hand, December 1, 2000-2004

Class	2000	2001	2002	2003	2004
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Total layers	6,415	6,854	6,951	7,067	7,720
Layers, 1 year old and older	3,480	4,491	5,149	5,272	(¹)
Layers, 20 weeks old but less than 1 year	2,935	2,363	1,802	1,795	(¹)
Pullets not of laying age	1,490	1,370	1,370	2,589	1,615
Pullets, 13-20 weeks old	569	385	606	1,203	(¹)
Pullets, less than 13 weeks	921	985	764	1,386	(¹)
Other chickens	1	1	0	1	1
All chickens (excluding broilers)	7,906	8,225	8,321	9,657	9,336

¹ Estimates no longer published.

Turkeys: Production and value, 2002-2004 ¹

Year	Number raised ²	Pounds produced	Price per pound ³	Value of production
2000	3,500	119,000	34.0	40,460
2001	4,500	162,000	35.0	56,700
2002	4,800	179,520	35.0	62,832
2003	5,000	191,000	36.0	68,760
2004	5,000	188,000	37.0	69,560

All eggs: Production and value, 2000-2004

Year	Eggs produced	Price per dozen	Value of production
	<i>Million</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2000	1,646	0.419	56,464
2001	1,706	0.437	61,063
2002	1,880	0.403	63,237
2003	1,888	0.595	93,613
2004	2,009	0.563	94,256

¹ December 1 previous year through November 30.

² Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

³ Equivalent live weight returns to producers.

All egg production, by month, 2000-2004

Month	2000	2001	2002	2003	2004
December	142	145	153	162	165
January	136	142	148	160	162
February	129	129	139	147	150
March	145	152	159	161	166
April	137	146	157	152	167
May	132	144	162	160	172
June	133	142	157	156	170
July	144	143	166	158	175
August	140	136	167	159	172
September	133	131	156	155	164
October	138	145	160	162	171
November	137	151	156	159	175
Total ¹	1,646	1,706	1,880	1,888	2,009

¹ Sum of months may not add to total due to rounding.

All layers: Average number on hand during the month, 2000-2004

Month	2000	2001	2002	2003	2004
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
December	6,316	6,270	6,926	7,243	7,078
January	6,288	6,234	6,933	7,198	7,447
February	6,381	6,435	6,888	7,220	7,424
March	6,594	6,820	6,938	7,074	7,481
April	6,431	6,922	7,296	6,934	7,397
May	6,246	6,763	7,452	7,121	7,309
June	6,435	6,657	7,236	7,128	7,476
July	6,489	6,490	7,265	7,079	7,652
August	6,278	6,489	7,243	7,088	7,587
September	6,183	6,593	7,106	6,942	7,626
October	6,220	6,687	7,039	6,869	7,613
November	6,319	6,779	6,983	6,959	7,603
Annual ¹	6,348	6,595	7,109	7,058	7,493

¹ December 1 previous year through November 30.

Sheep and Lambs

Michigan sheep operations in 2004 numbered 2,000, down 100 operations from 2003. All sheep and lamb inventory in Michigan on January 1, 2005 was estimated at 83,000 head, unchanged from the previous year. The breeding sheep inventory was 59,000 head. Market sheep and lambs totaled 24,000 head, same as a year earlier. The 2004 Michigan lamb crop (lambs born October 1, 2003 through September 30, 2004) was 55,000 head, down 5,000 from a year ago.

Sheep and lamb value of production was \$4.12 million for

2004. Cash receipts totaled \$3.80 million. All sheep and lambs were valued at \$145 per head, up \$14 from the previous year.

Sheep shorn in 2004 totaled 76,000 head. The weight per fleece was 5.8 pounds, compared with 6.2 pounds in 2003. Total wool production in Michigan was 440,000 pounds. Wool production was valued at \$198,000. The average price per pound was \$0.45, up \$0.15 from 2003.

Sheep and lambs: Number on farms by class, January 1, 2001-2005

Class	2001	2002	2003	2004	2005
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
Breeding sheep 1 year and older					
Ewes	40	40	47	43	45
Rams	2	3	3	3	2
Replacement lambs	9	12	14	13	12
Total market sheep and lambs	20	20	21	24	24
All sheep and lambs	71	75	85	83	83

Sheep and lambs: Number of operations, 2000-2004 ¹

Year	Number
2000	1,800
2001	1,800
2002	2,000
2003	2,100
2004	2,000

¹ An operation is any place having one or more head on hand at any one time during the year.

Sheep and lambs: Lamb crop, 2000-2004

Year	Breeding ewes ¹	Lambs per 100 ewes ¹	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2000	38	121	46
2001	40	125	50
2002	40	150	60
2003	47	128	60
2004	43	128	55

¹ Ewes 1 year and older January 1.

Sheep and lambs: Balance sheet, 2000-2004

Year	All sheep and lambs on hand January 1	Lamb crop	Inshipments	Marketings ¹		Farm slaughter ²	Deaths		All sheep and lambs on hand following January 1
				Sheep	Lambs		Sheep	Lambs	
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
2000	68	46	2.0	7.5	26.5	2.0	3.0	6.0	71
2001	71	50	1.5	5.5	29.5	2.0	3.5	7.0	75
2002	75	60	3.0	3.0	37.0	2.0	4.0	7.0	85
2003	85	60	4.0	15.5	36.0	2.0	4.5	8.0	83
2004	83	55	3.0	12.0	35.0	2.0	3.0	6.0	83

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

Sheep and lambs: Production and income, 2000-2004

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ³	Value of home consumption	Gross income
			Sheep	Lambs				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2000	4,200	3,603	31.00	75.00	2,789	2,306	431	2,737
2001	4,515	3,653	31.00	70.00	2,901	2,321	403	2,724
2002	5,604	4,129	26.00	70.00	3,501	2,794	403	3,197
2003	4,662	4,927	35.00	86.00	3,840	3,660	495	4,155
2004	4,722	4,532	40.00	94.00	4,119	3,800	540	4,340

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketings and sale of farm slaughter.

Sheep and lambs: Wool production and value, 2000-2004

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production ¹
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
2000	72	6.4	460	14	64
2001	77	6.2	480	12	58
2002	81	6.5	525	14	74
2003	77	6.2	475	30	143
2004	76	5.8	440	45	198

¹ Production multiplied by marketing year average price.

Trout

Michigan's 28 commercial trout operations sold \$790,000 of trout in 2004. This was an increase of 14.3 percent from last season. Sales of trout 12 inches or longer were valued at \$601,000. Sales of trout 6 to 12 inches were valued at \$167,000, trout 1 to 6 inches were valued at \$22,000, and egg sales were included at the regional level to avoid disclosure of individual operations.

Trout 12 inches or longer had sales of 305,000 pounds with an average liveweight of 1.1 pounds per fish. The average price per pound was \$1.97 in 2004. The major sales outlets were fee fishing operations at 45 percent of total and 21 percent live haulers.

Trout 6 inches to 12 inches had sales of 65,000 pounds with an

average liveweight of 0.4 pounds per fish. The average price per pound was \$2.57 during 2004. The major sales outlets for 6 inches to 12 inches trout was to fee fishing operations at 51 percent of total and 17 percent live haulers.

Trout 1 inch to 6 inches had sales of 3,000 pounds with an average liveweight of 54.5 pounds per 1,000 fish. The average price per 1,000 fish was \$408.00 during 2004.

Losses of trout in Michigan amounted to 111,000 fish, weighing 44,000 pounds.

Trout: Sales by size category, 2000-2004

Size category	Number of fish sold	Live weight	Sales	
			Total	Average per pound ¹
	<i>1,000</i>	<i>1,000</i>	<i>1,000 dollars</i>	<i>Dollars</i>
12 inches or longer				
2000	330	388	776	2.00
2001	275	330	660	2.00
2002	180	215	553	2.57
2003	250	275	564	2.05
2004	285	305	601	1.97
6 to 12 inches				
2000	210	78	207	2.65
2001	110	42	116	2.75
2002	90	30	83	2.77
2003	(²)	(²)	(²)	(²)
2004	165	65	167	2.57
1 to 6 inches				
2000	250	8	54	215.00
2001	170	4	47	275.00
2002	100	3	27	266.00
2003	(²)	(²)	(²)	(²)
2004	55	3	22	408.00

¹ Price for fish 1 to 6 inches is average per 1,000 fish.

² Not published separately to avoid disclosure of individual operations.

Trout: Number of operations, 2001-2005

Year	Operations
	<i>Number</i>
2001	33
2002	33
2003	22
2004	18
2005	28